

MOUNTING POWER HANDLING COMPONENTS ON PRINTED CIRCUIT BOARDS NEAR HIGH DENSITY ROUTING CHANNELS

ABSTRACT OF THE DISCLOSURE

An electronic assembly is described which includes a printed circuit board, and a processor and a memory mounted on the printed circuit board. A routing channel is provided in the printed circuit board comprising a plurality of conductors interconnecting the processor and the memory. A regulator assembly includes a regulator for providing power to the processor, a first connector mounted on the printed circuit board adjacent a first edge of the routing channel, and a second connector mounted on the printed circuit board adjacent a second edge of the routing channel opposite the first edge. The first and second connectors are coupled to the regulator and facilitate distribution of the power to the processor. The regulator and the first and second connectors form a bridge across the routing channel.